

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.

Docket No.: 14984.12.2.1

1 / 24

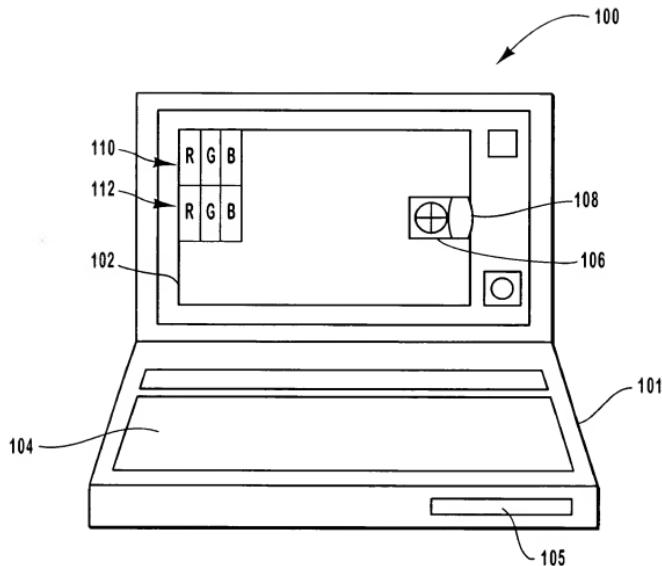


FIG. 1

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

2 / 24

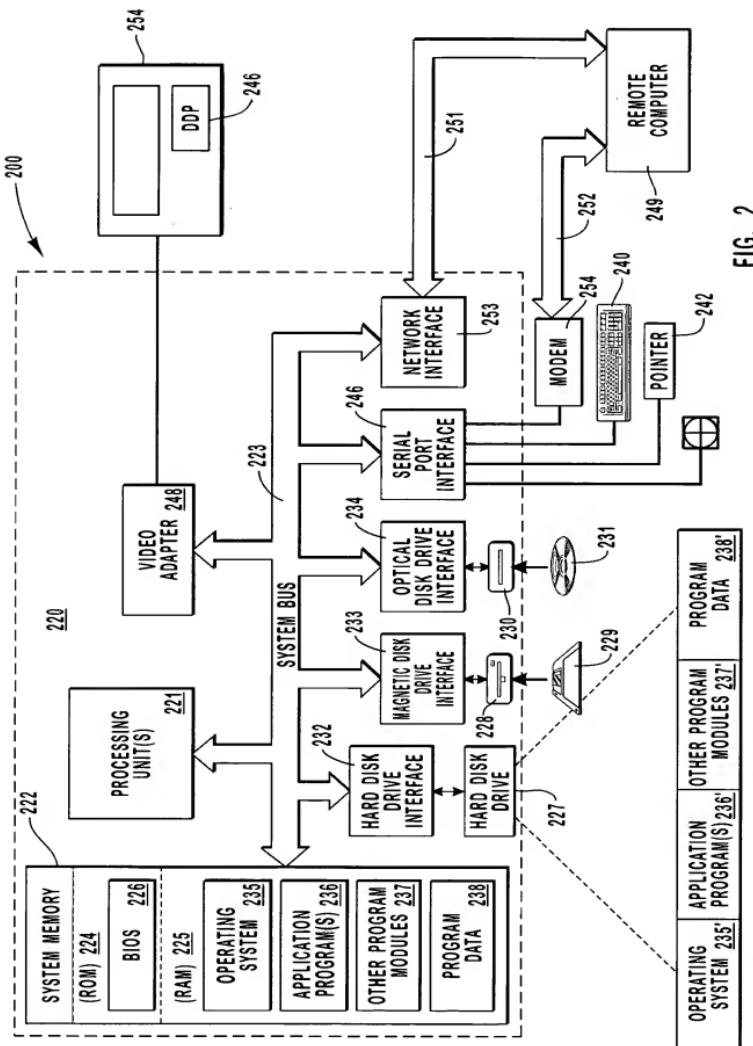


FIG. 2

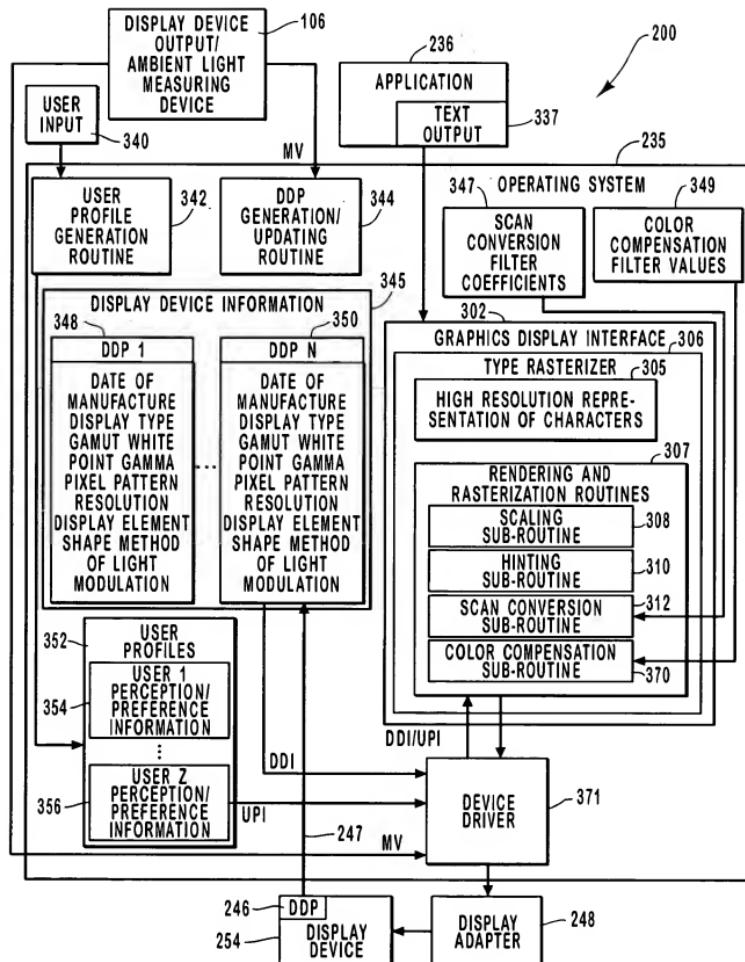


FIG. 3

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

4 / 24

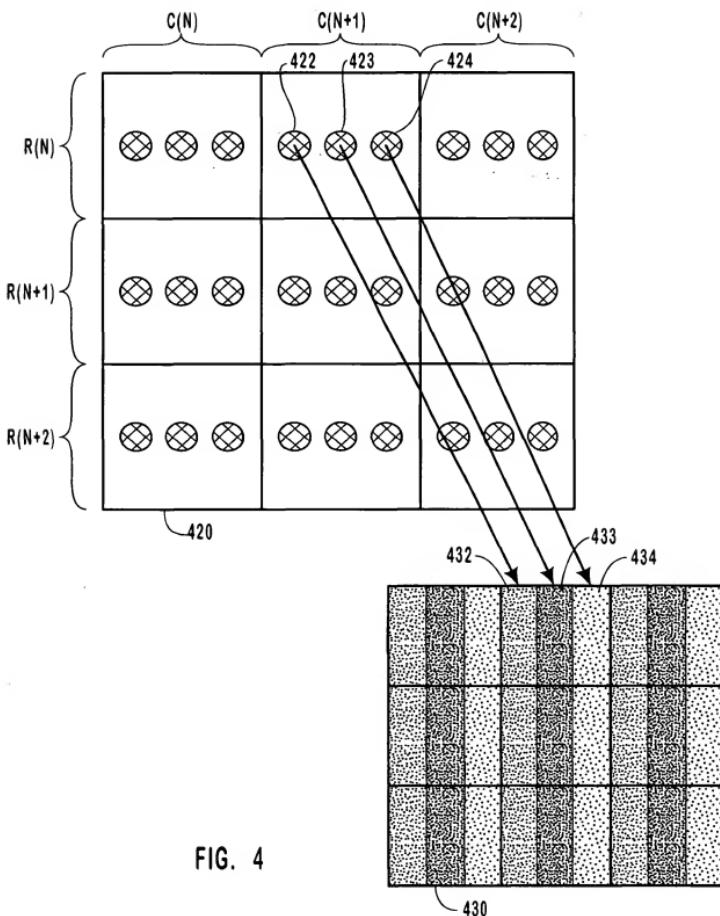


FIG. 4

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION
Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

5 / 24

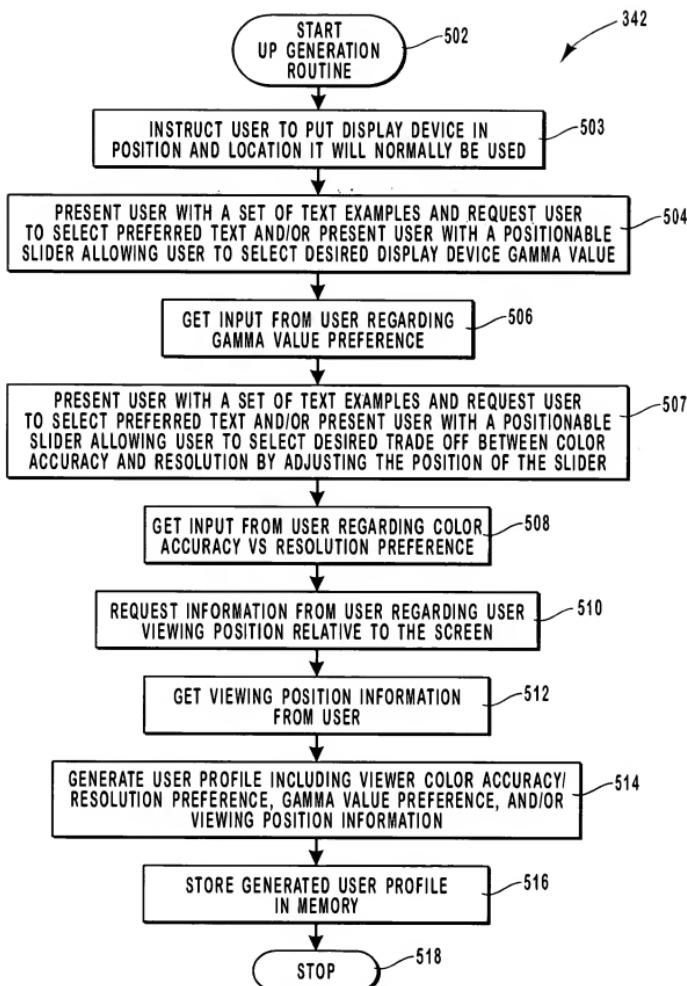


FIG. 5

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION
Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

6 / 24

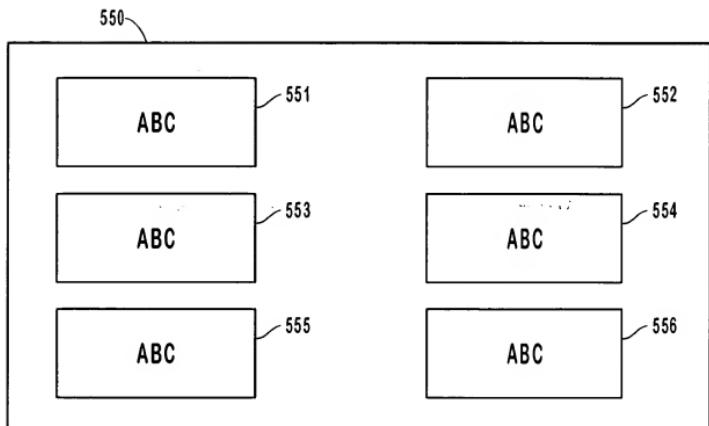


FIG. 6

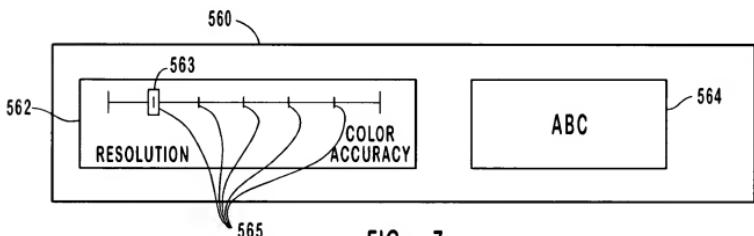


FIG. 7

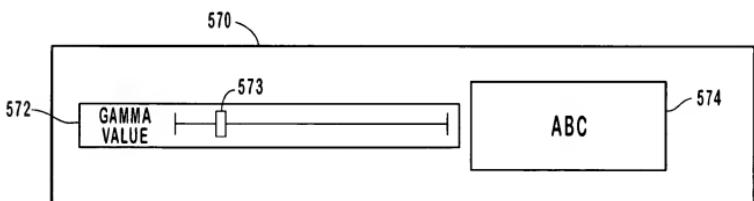


FIG. 8

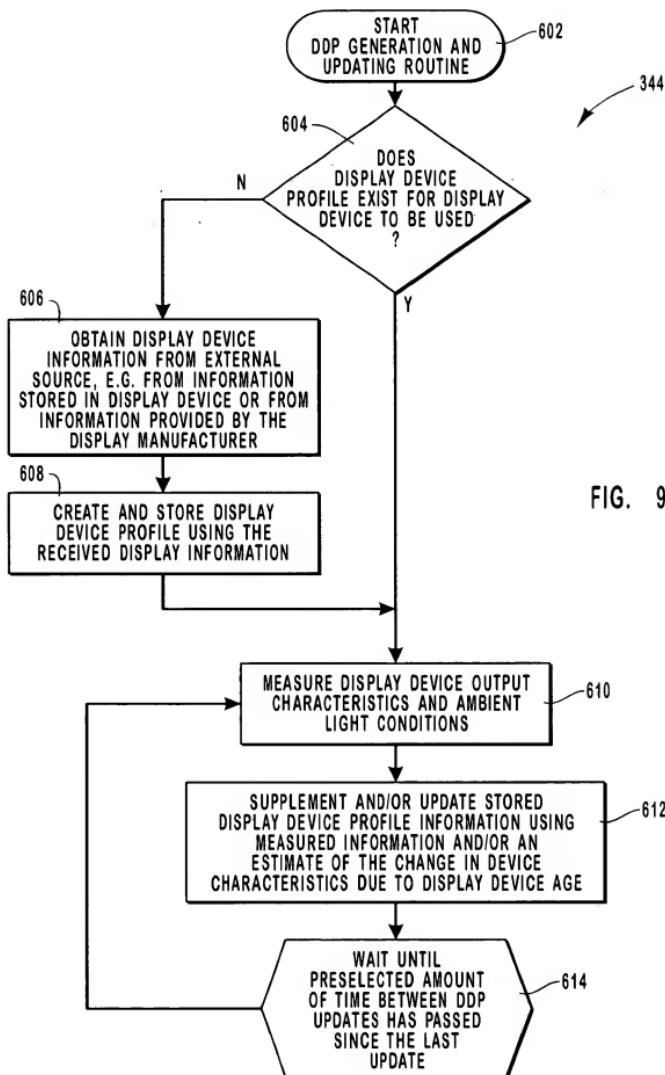


FIG. 9

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

8 / 24

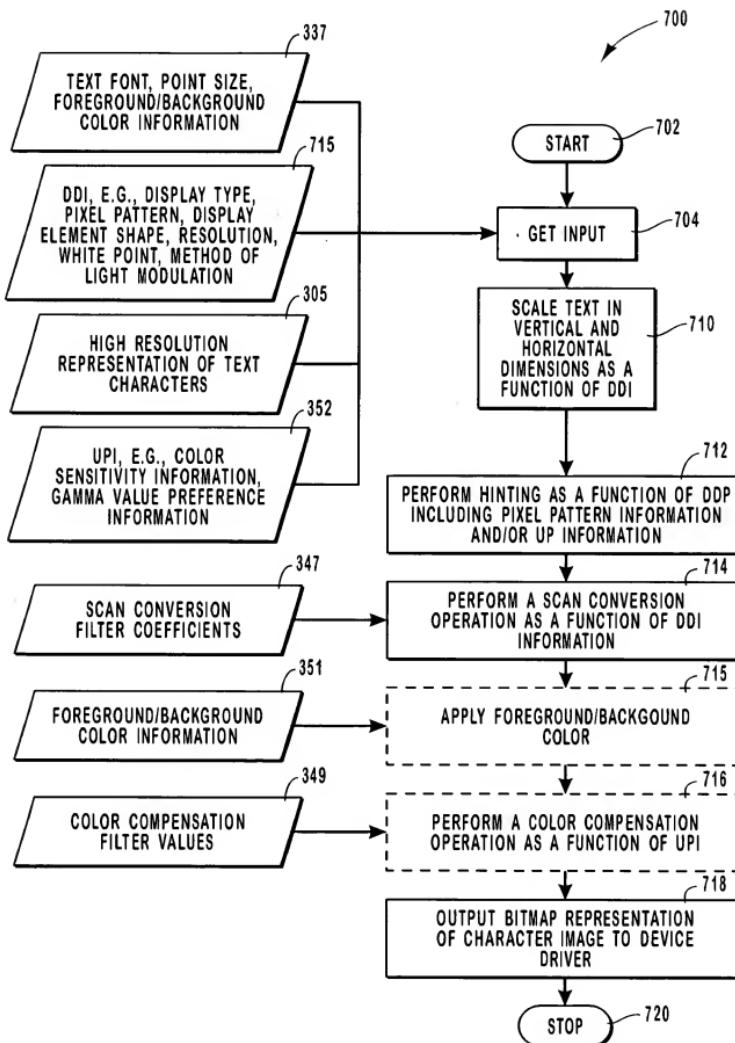


FIG. 10

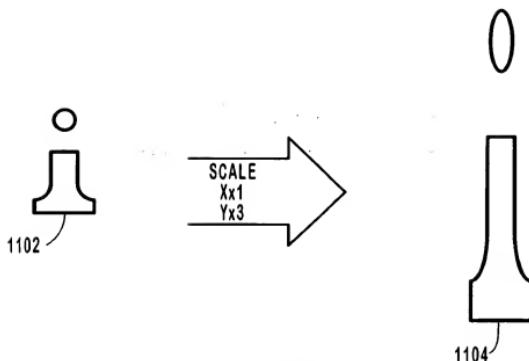


FIG. 11

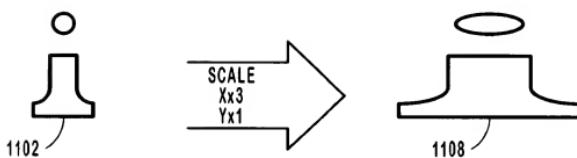


FIG. 12

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

10 / 24

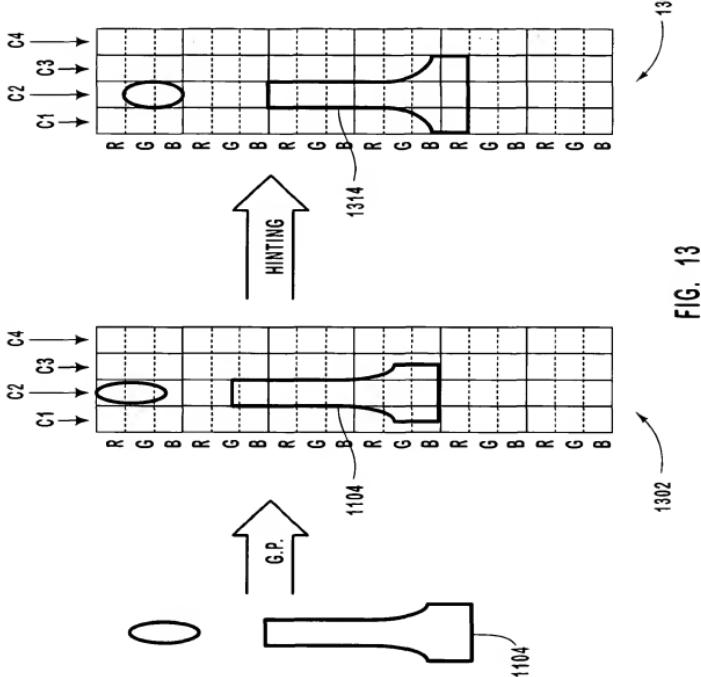


FIG. 13

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.

Docket No.: 14984.12.2.1

11 / 24

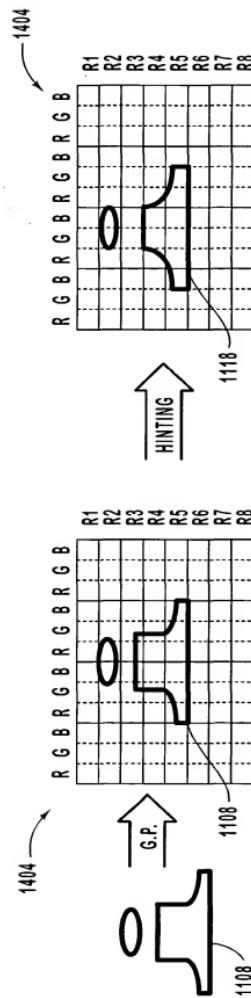
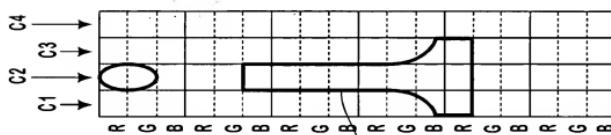


FIG. 14

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

12 / 24



1502

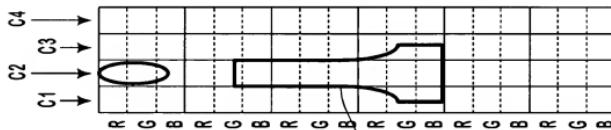
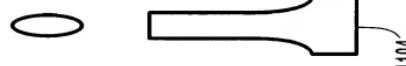


FIG. 15

1104



1104

1502

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.

Docket No.: 14984.12.2.1

13 / 24

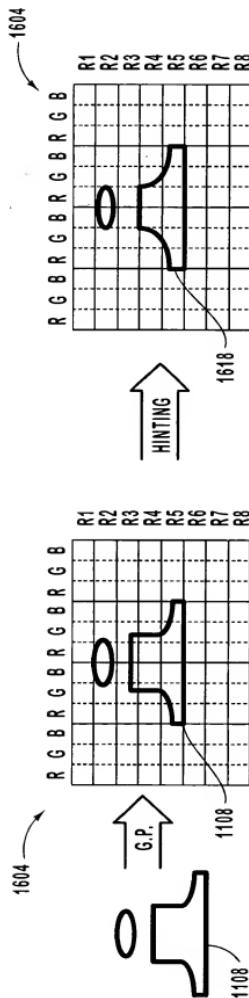


FIG. 16

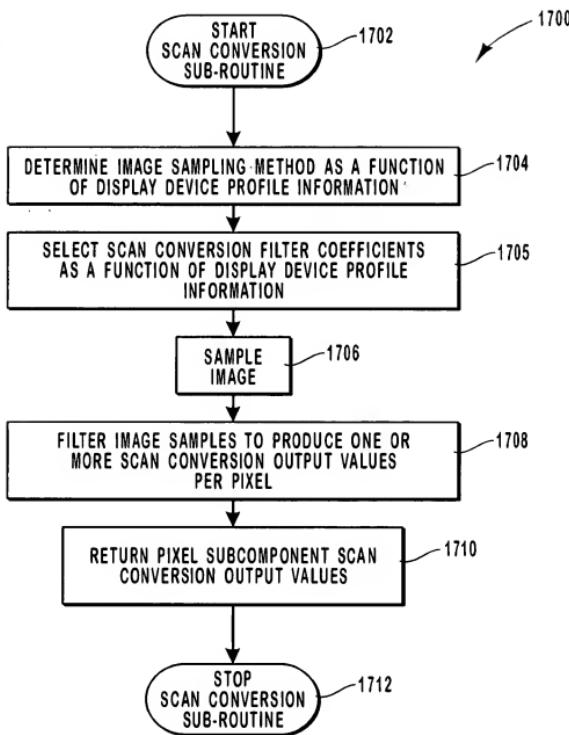


FIG. 17

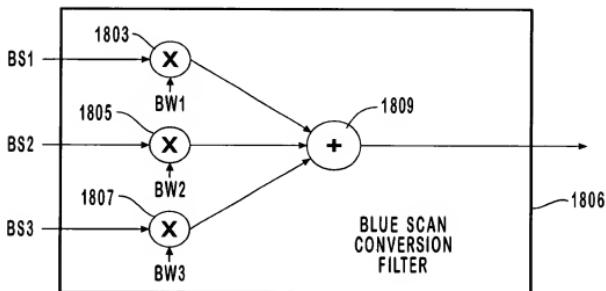
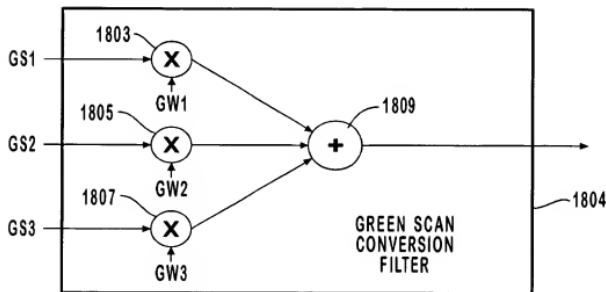
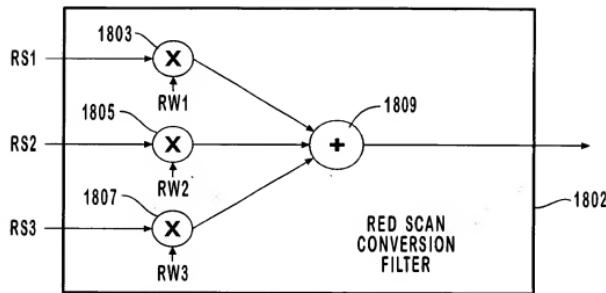


FIG. 18

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION
Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

16 / 24

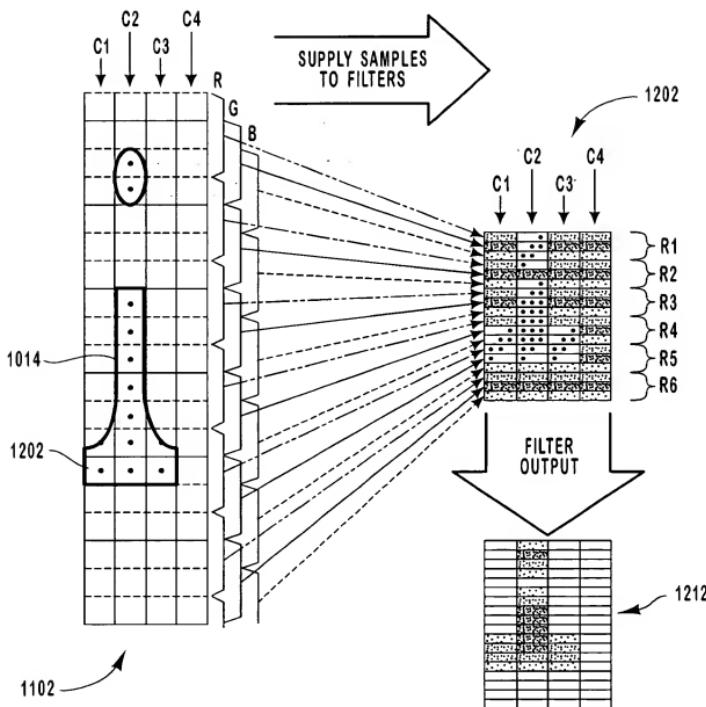


FIG. 19

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION

Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

17 / 24

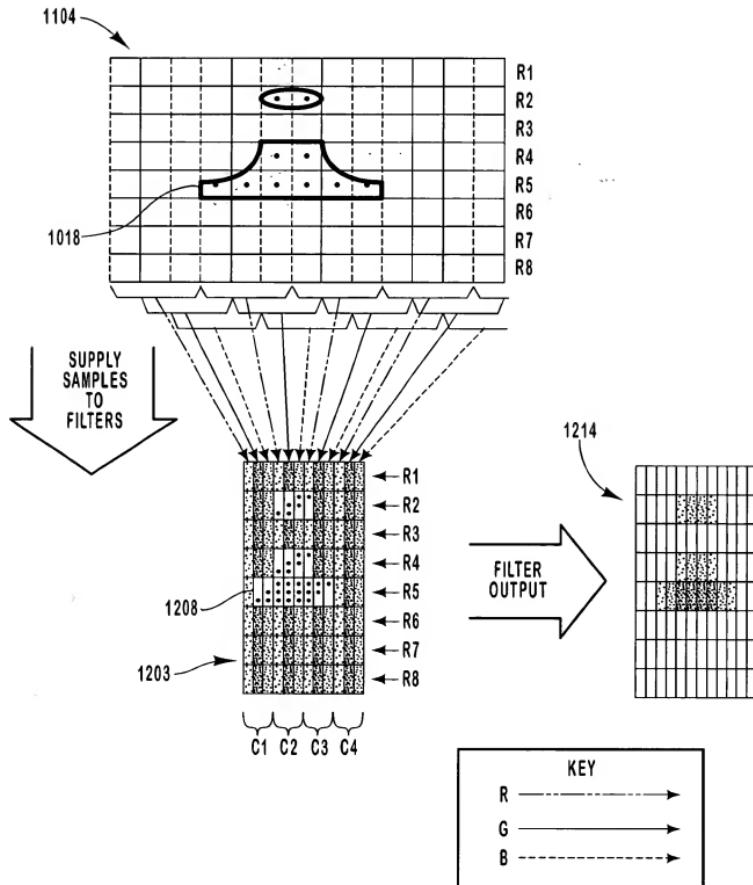


FIG. 20

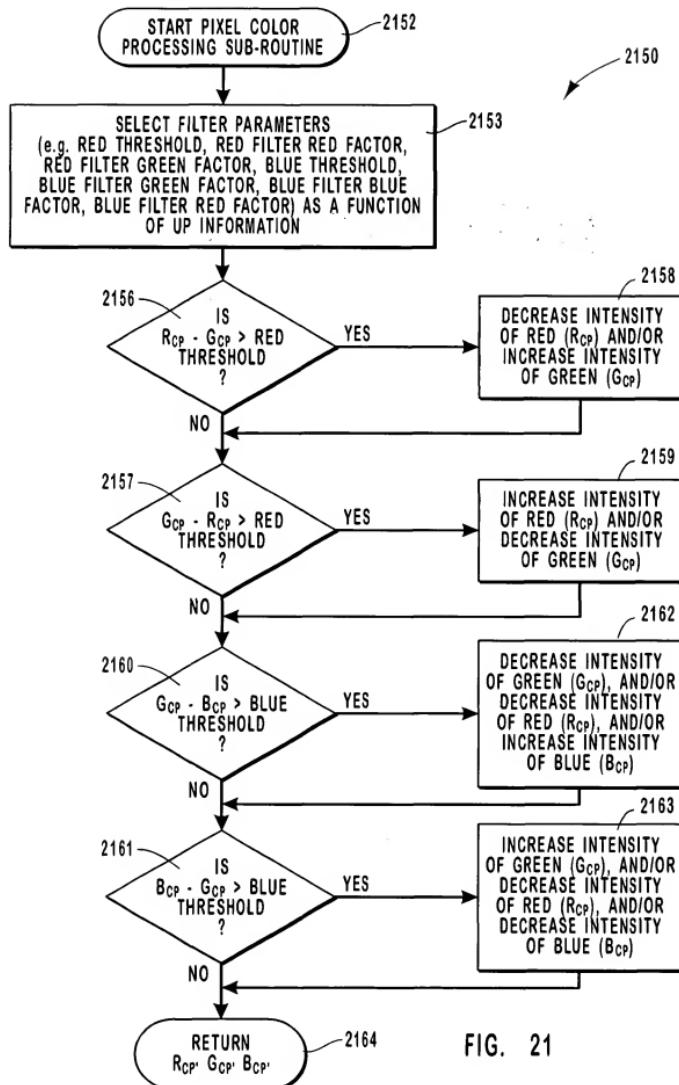


FIG. 21

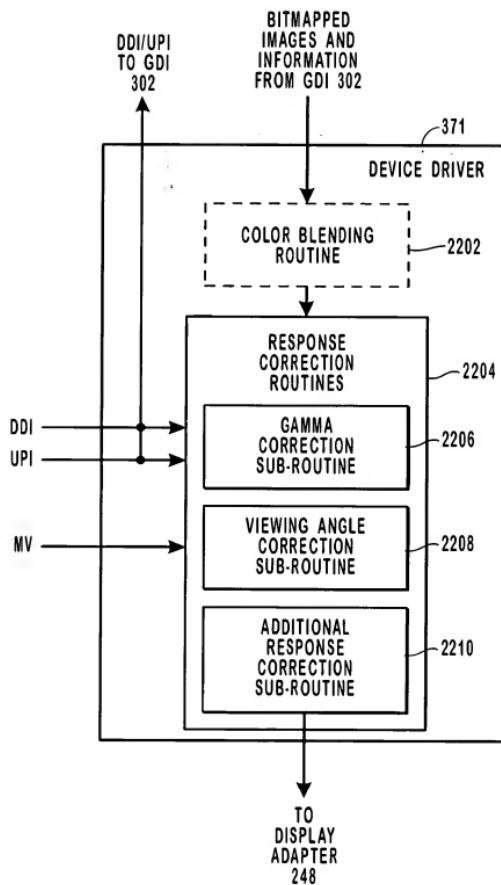


FIG. 22

| RED FILTER | GREEN FILTER | BLUE FILTER | |
|------------|--------------|-------------|---------------|
| -0.000 | 0.000 | 0.000 | |
| -0.000 | -0.000 | 0.000 | |
| 0.001 | -0.000 | -0.000 | |
| -0.004 | 0.000 | 0.000 | |
| -0.001 | 0.000 | 0.000 | |
| 0.011 | -0.002 | -0.001 | |
| -0.037 | 0.006 | 0.005 | |
| -0.015 | 0.001 | 0.002 | |
| 0.109 | -0.020 | -0.014 | |
| -0.255 | 0.065 | 0.031 | |
| -0.231 | 0.028 | 0.029 | |
| 0.632 | -0.186 | -0.075 | |
| 0.576 | 0.383 | -0.097 | |
| 0.485 | 0.430 | 0.357 | CURRENT PIXEL |
| -0.378 | 0.458 | 0.630 | 2301 |
| 0.051 | -0.111 | 0.351 | |
| 0.085 | -0.108 | -0.103 | |
| -0.039 | 0.075 | -0.177 | |
| 0.003 | -0.009 | 0.040 | |
| 0.009 | -0.017 | 0.041 | |
| -0.003 | 0.007 | -0.027 | |
| 0.000 | -0.001 | 0.003 | |
| 0.001 | -0.002 | 0.006 | |
| -0.000 | 0.001 | -0.003 | |
| 0.000 | -0.000 | 0.000 | |
| 0.000 | -0.000 | 0.001 | |
| -0.000 | 0.000 | -0.000 | |
| -0.000 | -0.000 | 0.000 | |
| 0.000 | -0.000 | 0.000 | |
| 0.000 | 0.000 | -0.000 | |

FIG. 23A

FIG. 23B

FIG. 23C

FIG. 23D

FIG. 23E

FIG. 23

Title: THE QUALITY OF DISPLAYED IMAGES
WITH USER PREFERENCE INFORMATION
Inventors: Bill Hill, et al.
Docket No.: 14984.12.2.1

21 / 24

| RED FILTER | GREEN FILTER | BLUE FILTER | |
|---------------|-----------------|----------------|------------------|
| 0.000 | 0.000 | -0.000 | |
| 0.000 | 0.000 | 0.000 | |
| -0.000 | 0.000 | 0.000 | |
| 0.000 | -0.000 | -0.000 | |
| 0.000 | -0.000 | -0.000 | |
| -0.000 | 0.000 | 0.000 | |
| -0.006 | -0.001 | 0.000 | |
| 0.004 | -0.001 | -0.001 | |
| 0.034 | -0.000 | -0.003 | |
| -0.183 | 0.019 | 0.018 | |
| -0.147 | -0.004 | 0.010 | |
| 0.468 | -0.093 | -0.055 | |
| 0.514 | 0.387 | 0.047 | |
| 0.445 | 0.430 | 0.308 | CURRENT PIXEL |
| -0.170 | 0.408 | 0.514 | |
| 0.009 | -0.072 | 0.251 | |
| 0.031 | -0.089 | -0.009 | |
| 0.001 | 0.020 | -0.119 | |
| -0.001 | 0.000 | 0.017 | |
| -0.000 | -0.003 | 0.025 | |
| 0.000 | -0.001 | -0.004 | |
| -0.000 | 0.000 | -0.000 | |
| -0.000 | 0.000 | 0.001 | |
| 0.000 | -0.000 | 0.000 | |
| 0.000 | 0.000 | -0.000 | |
| -0.000 | 0.000 | -0.000 | |
| -0.000 | 0.000 | 0.000 | |
| 0.000 | -0.000 | -0.000 | |
| 0.000 | -0.000 | -0.000 | |
| -0.000 | 0.000 | -0.000 | |

FIG. 23B

| RED FILTER | GREEN FILTER | BLUE FILTER | |
|---------------|-----------------|----------------|------------------|
| 0.000 | -0.000 | -0.000 | |
| 0.000 | -0.000 | -0.000 | |
| 0.000 | 0.000 | -0.000 | |
| -0.000 | 0.000 | 0.000 | |
| -0.000 | -0.000 | 0.000 | |
| -0.001 | -0.000 | -0.000 | |
| 0.006 | 0.000 | -0.000 | |
| 0.009 | 0.001 | -0.000 | |
| 0.002 | 0.002 | 0.001 | |
| -0.121 | -0.015 | -0.001 | |
| -0.088 | -0.026 | -0.007 | |
| 0.332 | -0.022 | -0.022 | |
| 0.459 | 0.393 | 0.140 | |
| 0.418 | 0.430 | 0.290 | |
| -0.002 | 0.367 | 0.412 | CURRENT PIXEL |
| -0.010 | -0.048 | 0.190 | |
| -0.005 | -0.075 | 0.040 | |
| 0.002 | -0.013 | -0.059 | |
| -0.000 | 0.003 | 0.005 | |
| -0.000 | 0.003 | 0.011 | |
| -0.000 | 0.000 | 0.003 | |
| 0.000 | -0.000 | -0.001 | |
| 0.000 | -0.000 | -0.001 | |
| 0.000 | 0.000 | -0.000 | |
| -0.000 | 0.000 | 0.000 | |
| -0.000 | 0.000 | 0.000 | |
| 0.000 | 0.000 | -0.000 | |
| 0.000 | 0.000 | -0.000 | |
| -0.000 | 0.000 | 0.000 | |

FIG. 23C

| FILTER 4 | | |
|------------|--------------|-------------|
| RED FILTER | GREEN FILTER | BLUE FILTER |
| 0.000 | 0.000 | 0.000 |
| 0.000 | 0.000 | 0.000 |
| -0.000 | -0.000 | -0.000 |
| -0.001 | -0.000 | -0.000 |
| -0.001 | -0.000 | -0.000 |
| 0.001 | 0.000 | 0.000 |
| 0.008 | 0.003 | 0.002 |
| 0.008 | 0.004 | 0.002 |
| -0.007 | -0.002 | -0.001 |
| -0.077 | -0.037 | -0.017 |
| -0.051 | -0.039 | -0.019 |
| 0.237 | 0.026 | 0.008 |
| 0.419 | 0.398 | 0.197 |
| 0.401 | 0.429 | 0.285 |
| 0.113 | 0.338 | 0.337 |
| -0.016 | -0.035 | 0.153 |
| -0.025 | -0.066 | 0.065 |
| -0.011 | -0.031 | -0.012 |
| 0.001 | 0.004 | -0.000 |
| 0.002 | 0.006 | 0.001 |
| 0.001 | 0.003 | 0.001 |
| -0.000 | -0.000 | -0.000 |
| -0.000 | -0.001 | -0.000 |
| -0.000 | -0.000 | -0.000 |
| 0.000 | 0.000 | 0.000 |
| 0.000 | 0.000 | 0.000 |
| 0.000 | 0.000 | 0.000 |
| -0.000 | -0.000 | -0.000 |
| -0.000 | -0.000 | -0.000 |
| -0.000 | -0.000 | -0.000 |

2304
CURRENT
PIXEL

FIG. 23D

| RED FILTER | GREEN FILTER | BLUE FILTER | |
|------------|--------------|-------------|---------------|
| 0.000 | 0.000 | 0.000 | |
| 0.000 | 0.000 | 0.000 | |
| -0.000 | -0.000 | -0.000 | |
| -0.001 | -0.001 | -0.000 | |
| -0.001 | -0.001 | -0.000 | |
| 0.001 | 0.001 | 0.000 | |
| 0.006 | 0.006 | 0.004 | |
| 0.006 | 0.006 | 0.003 | |
| -0.008 | -0.007 | -0.004 | |
| -0.050 | -0.050 | -0.029 | |
| -0.030 | -0.047 | -0.027 | |
| 0.178 | 0.054 | 0.029 | |
| 0.394 | 0.402 | 0.229 | |
| 0.391 | 0.429 | 0.283 | CURRENT PIXEL |
| 0.183 | 0.321 | 0.291 | |
| -0.018 | -0.028 | 0.132 | |
| -0.037 | -0.061 | 0.078 | |
| -0.023 | -0.040 | 0.019 | |
| 0.002 | 0.004 | -0.002 | |
| 0.005 | 0.008 | -0.004 | |
| 0.003 | 0.005 | -0.003 | |
| -0.000 | -0.000 | 0.000 | |
| -0.001 | -0.001 | 0.001 | |
| -0.000 | -0.001 | 0.000 | |
| 0.000 | 0.000 | -0.000 | |
| 0.000 | 0.000 | -0.000 | |
| -0.000 | -0.000 | 0.000 | |
| -0.000 | -0.000 | 0.000 | |
| -0.000 | -0.000 | 0.000 | |

FIG. 23E